

# AMAN TEWARY

## Senior Software Engineer

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### PROFESSIONAL SUMMARY

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Senior full-stack engineer with nearly a decade of experience architecting and delivering high-scale, event-driven platforms in fintech and media. Expert in TypeScript, JavaScript, Angular, and Node.js with deep AWS experience building real-time data streaming systems. Proven technical leader who has mentored engineering teams, driven architectural excellence, and translated complex business requirements into scalable, performant solutions. Track record of driving innovation and AI tooling adoption across cross-functional engineering organizations.

### PROFESSIONAL EXPERIENCE

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#### Senior Software Engineer · Capital One

Nov 2021 – Present | Toronto, ON

- Architected a next-generation, event-driven messaging framework using Python, Node.js, TypeScript, and AWS Lambda — processing 400K+ messages daily across email, SMS, push, and web channels at 99.9% uptime, as technical lead for a team that scaled from 3 to 11 engineers.
- Led a cross-functional team of 4 engineers to design a configuration-based system that cut time-to-market from 20 days to 7, and reduced engineering hours from 14 days to 1.
- Designed and shipped an enterprise-wide continuous deployment management platform adopted by 200+ teams across 2,000+ repositories, increasing deployment frequency and enforcing main branch hygiene at scale.
- Appointed as AI Enablement Lead and Claude Code Tool Champion for Capital One Canada — designed and delivered hands-on demos and workshops that onboarded engineering teams to AI-assisted development, driving org-wide adoption of tools including Claude and Windsurf.
- Made key architectural decisions on library selection, service boundaries, and code refactoring for real-time data streaming systems, reducing p99 latency by 40%.
- Mentored and coached engineers through code reviews, technical documentation, design proposals, and 1:1 growth conversations, fostering a culture of learning and accountability.

#### Senior Software Engineer · QRA Corp

Jul 2019 – Nov 2021 | Halifax, NS

- Led the development of QVscribe for Web, transforming it into the company's main product and increasing ARR by 40%.
- Designed robust two-way integrations with requirement management tools (IBM DOORS, Jama Software), streamlining workflows and improving enterprise client satisfaction.
- Mentored junior engineers, providing technical guidance and promoting a culture of continuous learning.
- Actively participated in recruitment efforts, ensuring alignment of new hires with company culture and project requirements.
- Optimized deployment workflows, reducing operational overhead and accelerating time-to-market.

#### Software Engineer · Nielsen / Gracenote

Jan 2019 – Jul 2019 | Halifax, NS

- Engineered critical components of Gracenote's client-facing web applications, utilizing AngularJS, Handlebars, and CSS for superior user experiences.
- Developed interactive web applications for Gracenote's Olympics 2020 demo, employing Angular, Handlebars, and Node/Express for dynamic functionality.
- Contributed significantly to the Gracenote Pages project, facilitating client integration of scores and statistics widgets into websites, enhancing user engagement.

## TECHNICAL SKILLS

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<b>Languages</b>	TypeScript · JavaScript · Python · SQL
<b>Frontend</b>	Angular · AngularJS · ReactJS · React Native · GraphQL · HTML/CSS
<b>Backend</b>	Node.js · AWS Lambda · Microservices · REST APIs · Kafka
<b>Databases</b>	PostgreSQL · MySQL · DynamoDB · Snowflake
<b>Cloud &amp; DevOps</b>	AWS (Lambda, SQS, SNS, API GW) · Docker · Kubernetes · Jenkins · GitHub Actions
<b>Observability</b>	Splunk · New Relic · CloudWatch
<b>Practices</b>	Event-Driven Architecture · Serverless · CI/CD · TDD · Agile/Scrum
<b>AI Tools</b>	Claude · Claude Code · Windsurf · SpecKit · AI Workflow Automation

## EDUCATION

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- **Master of Applied Computer Science** · Dalhousie University *2017 – 2019*
- **Bachelor of Technology, Computer Science & Engineering** · Sushant University *2012 – 2016*

## CERTIFICATIONS

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- AWS Certified Cloud Practitioner** – Amazon Web Services (May 2022)
- Certified Scrum Product Owner (CSPO)** – Scrum Alliance (Apr 2023)
- Certified Secure Software Engineer – Associate** – Secure Code Warrior (Nov 2022)